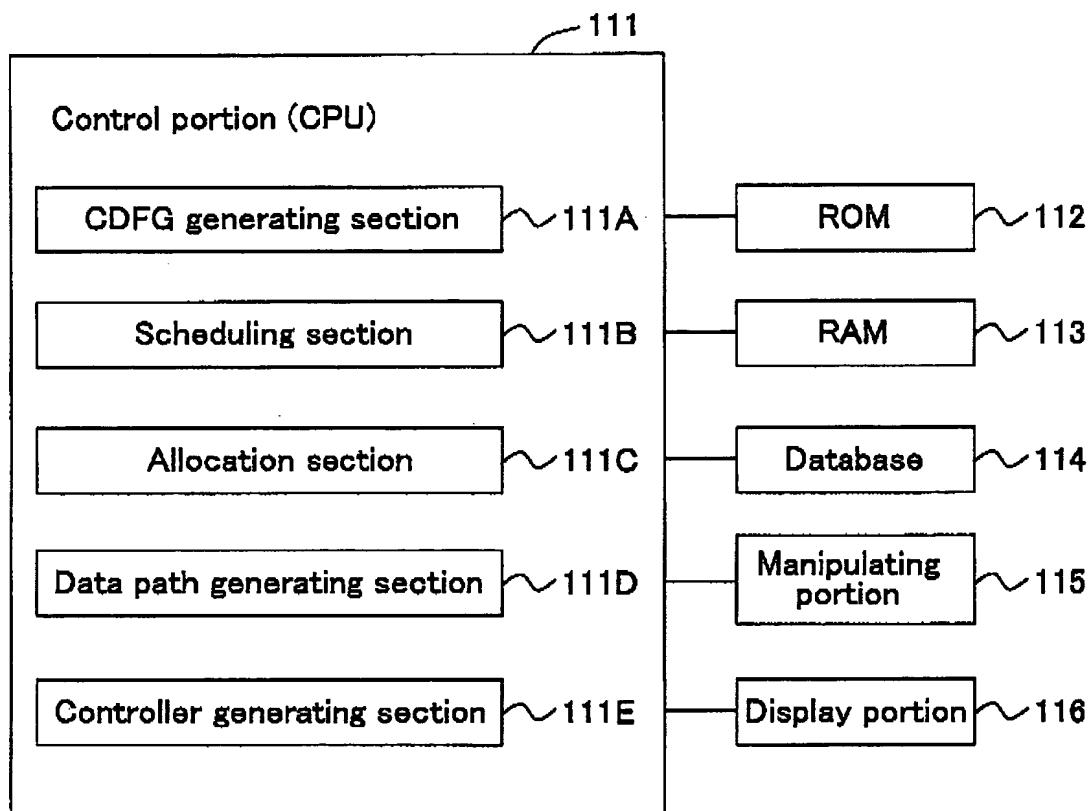
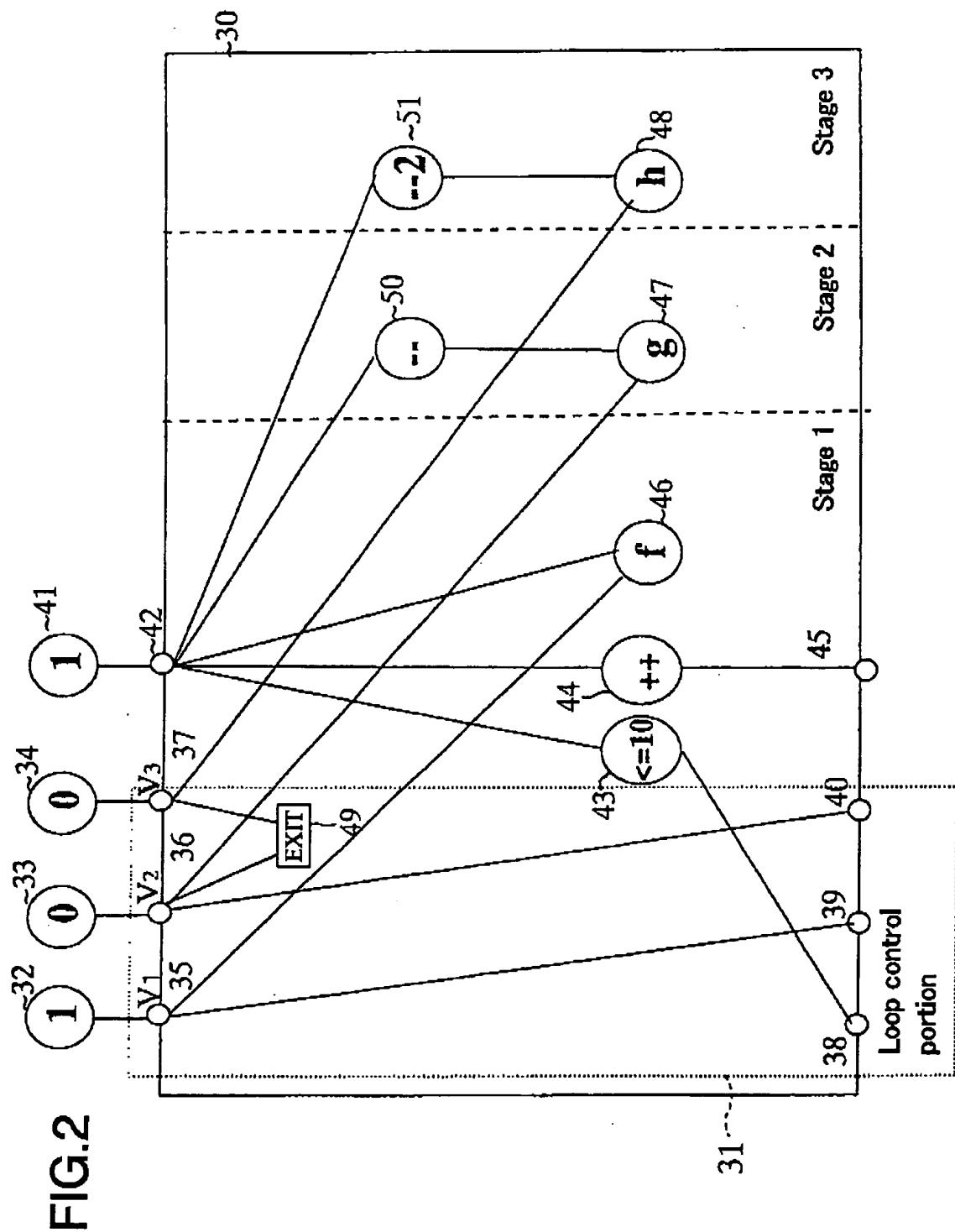


03R01125

FIG.1



03R01125



03R01125

FIG.3

Cycle	V1	V2	V3
1	1	0	0
2	1	1	0
3~10	1	1	1
11	0	1	1
12	0	0	1

FIG.4

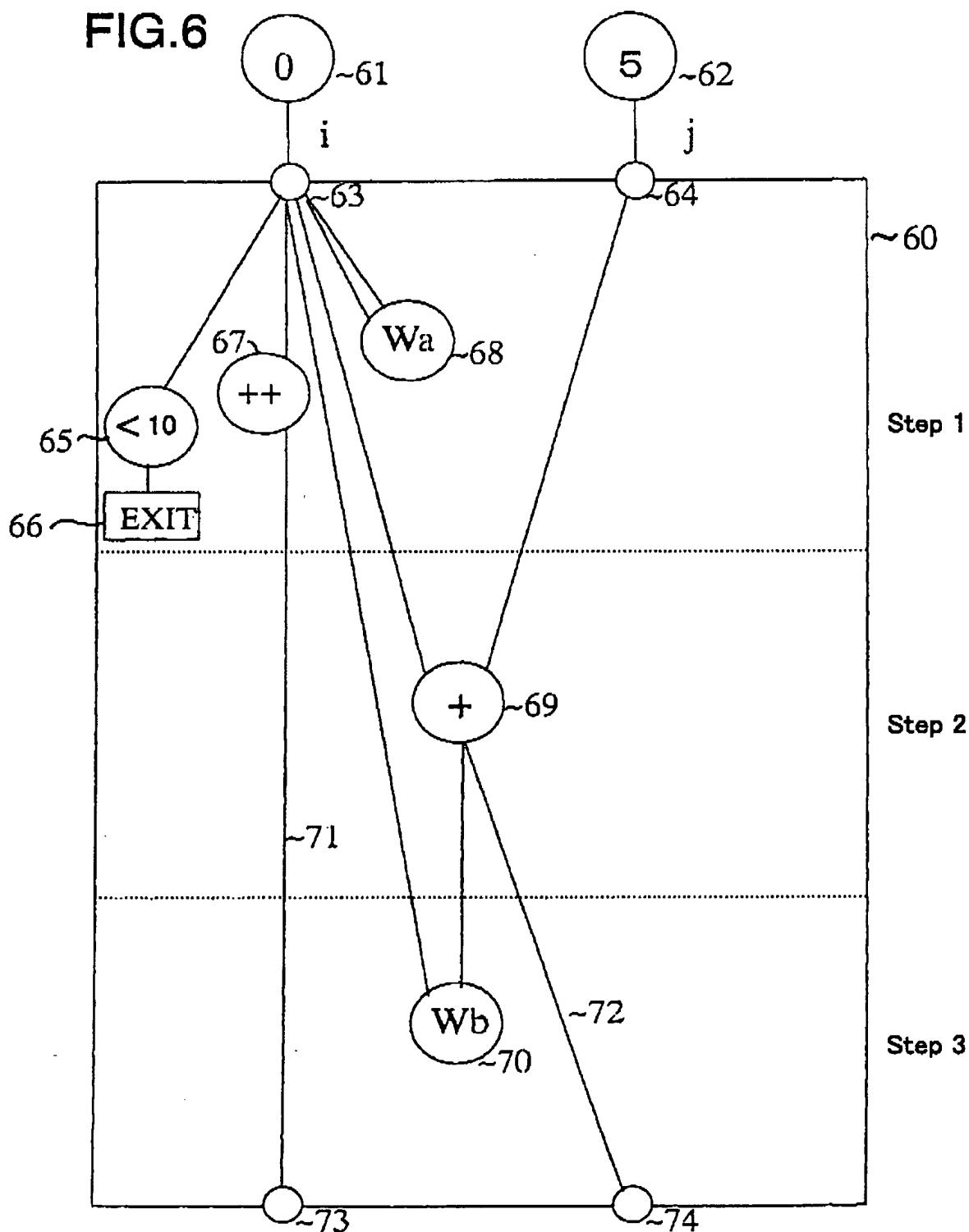
Cycle	V1	V2	V3
1	1	0	0
2	0	1	0
3	0	0	1

FIG.5

```
j = 5;  
for (i = 0; i<10 ; i++)  
{  
    a[i] = i ;  
    j += i ;  
    b[i] = j ;  
}
```

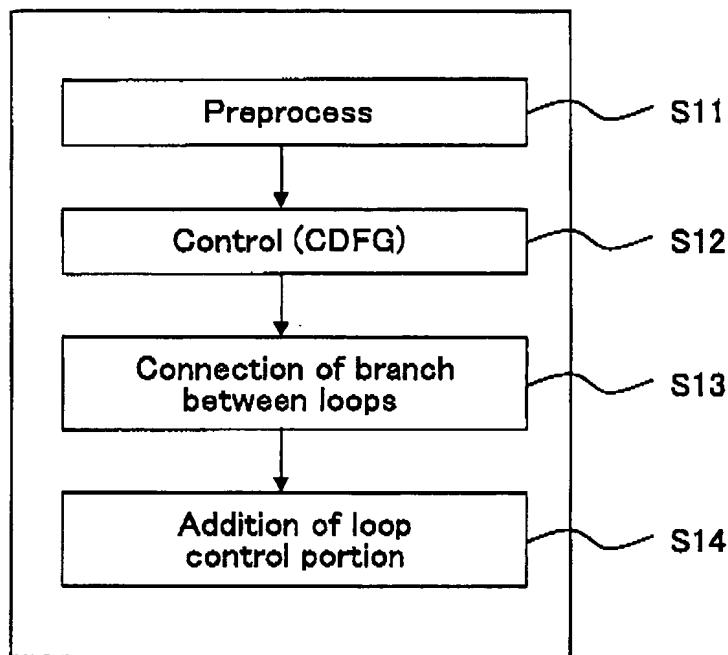
03R01125

FIG.6



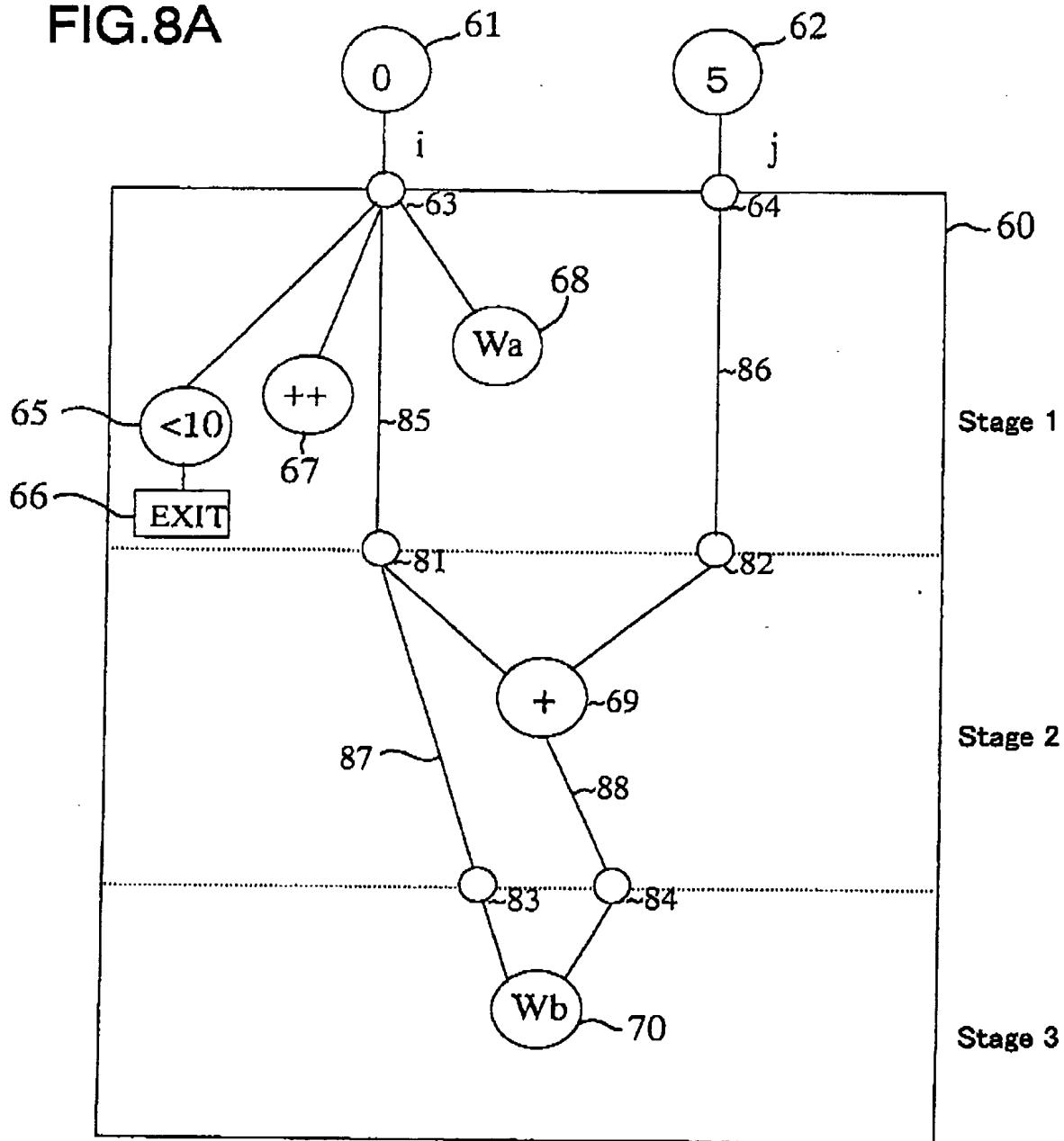
03R01125

FIG.7

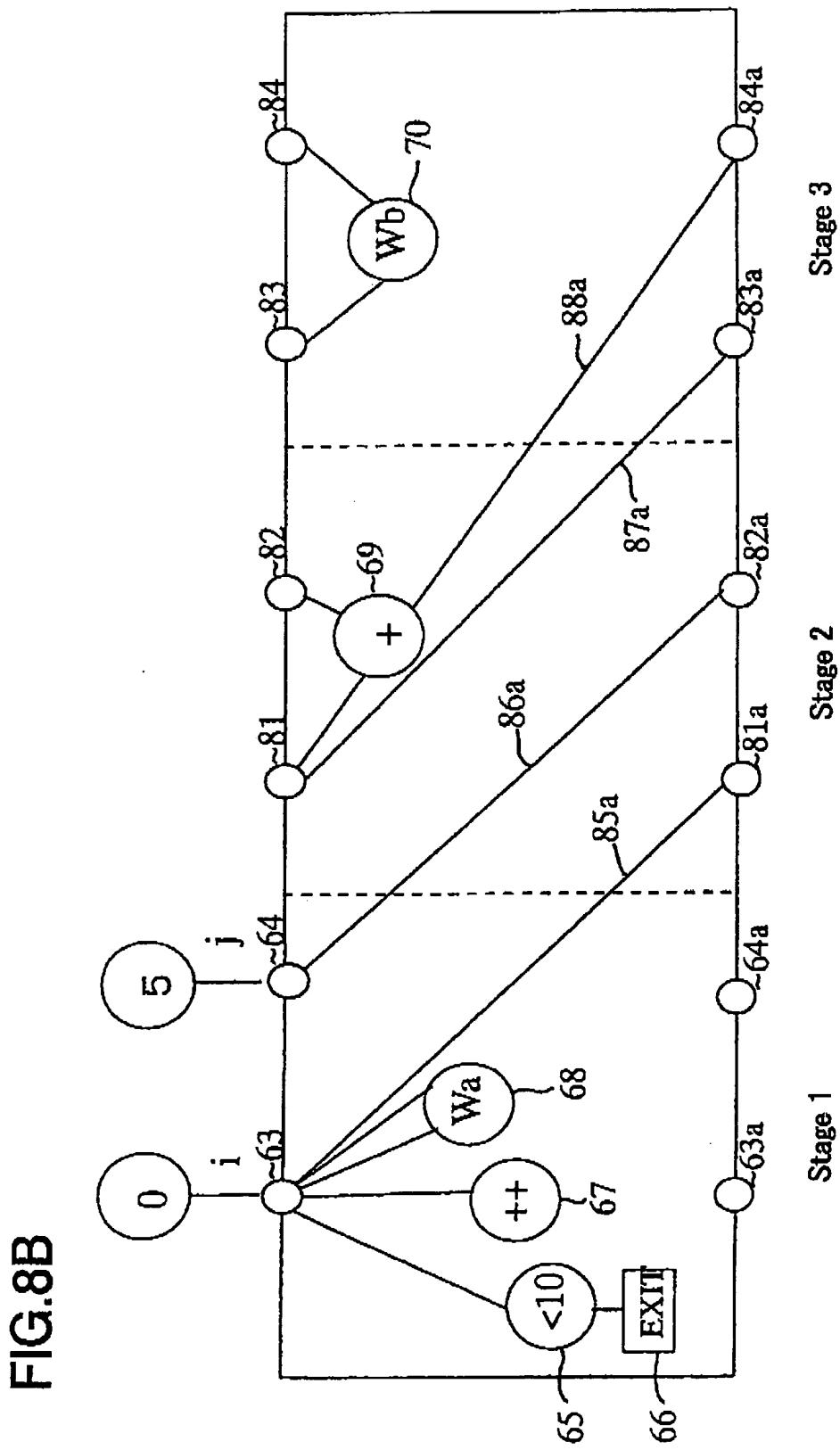


03R01125

FIG.8A



03R01125



03R01125

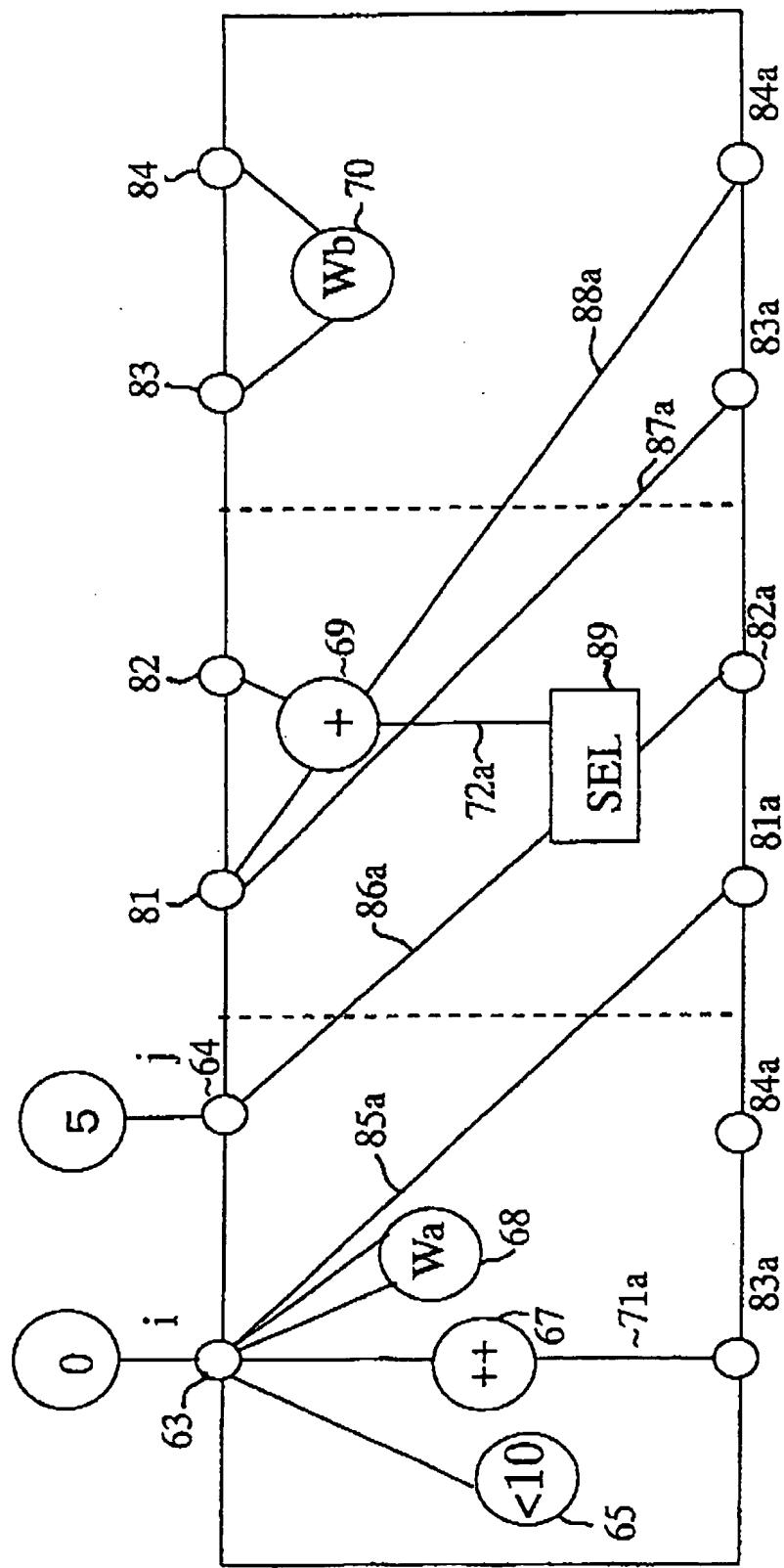
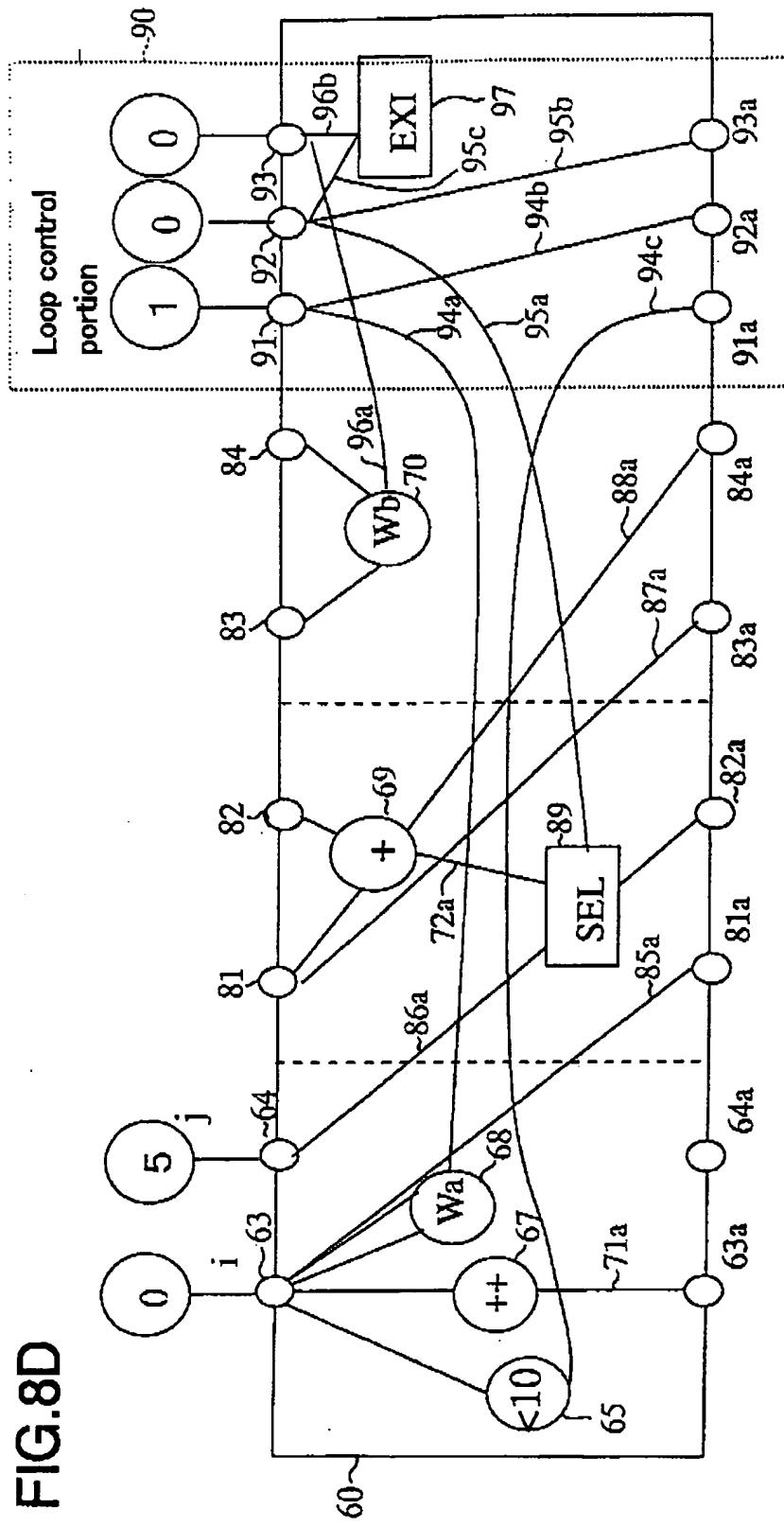


FIG. 8C

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FIG.9

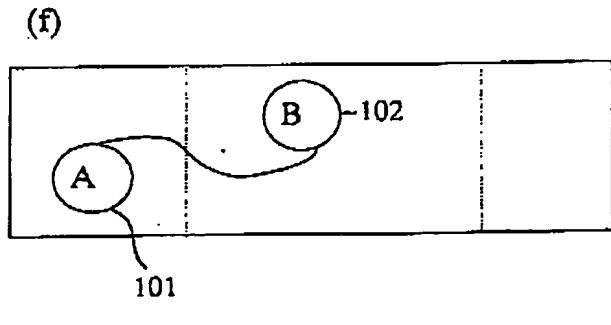
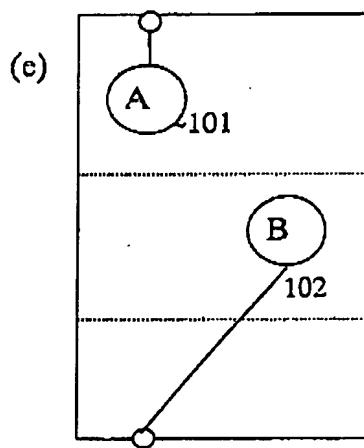
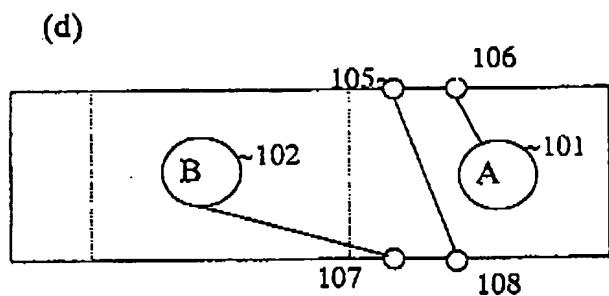
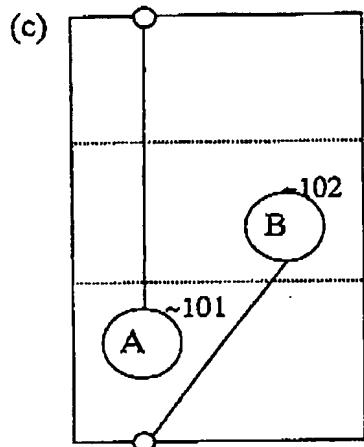
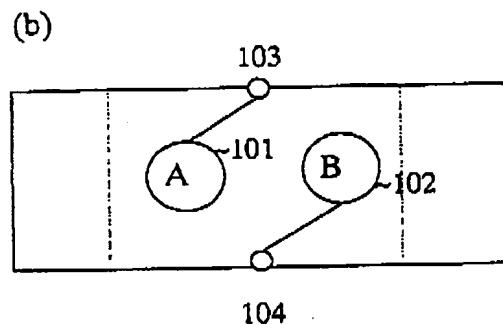
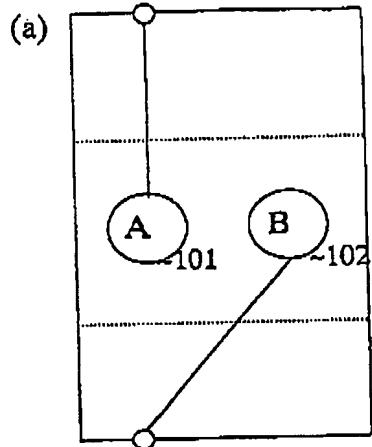


FIG.10

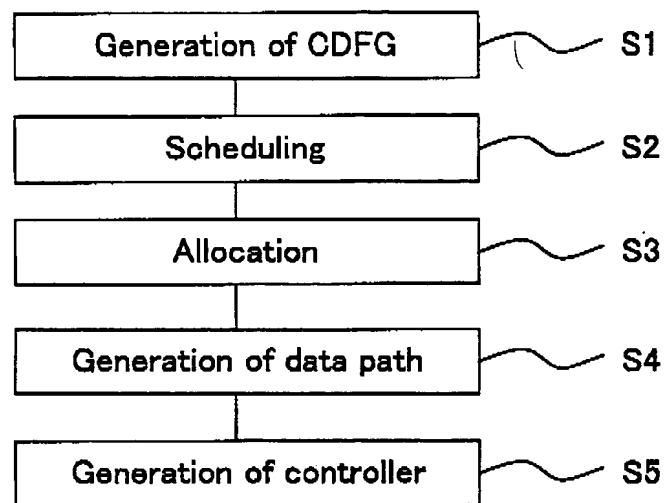
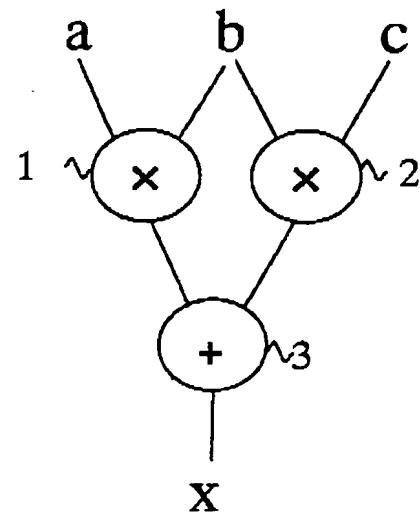


FIG.11

$$x = a \times b + b \times c$$

FIG.12



03R01125

FIG.13

```
struct Node
{
    int node_id;
    int in_edge[2];
    int out_edge[1];
    int op_type;
}

struct Edge
{
    int edge_id;
    int from_node;
    int to_node;
}
```

FIG.14

```
for( i =0; i <=10 ; i++)
{
    f(i);
    g(i);
    h(i);
}
```

03R01125

FIG.15

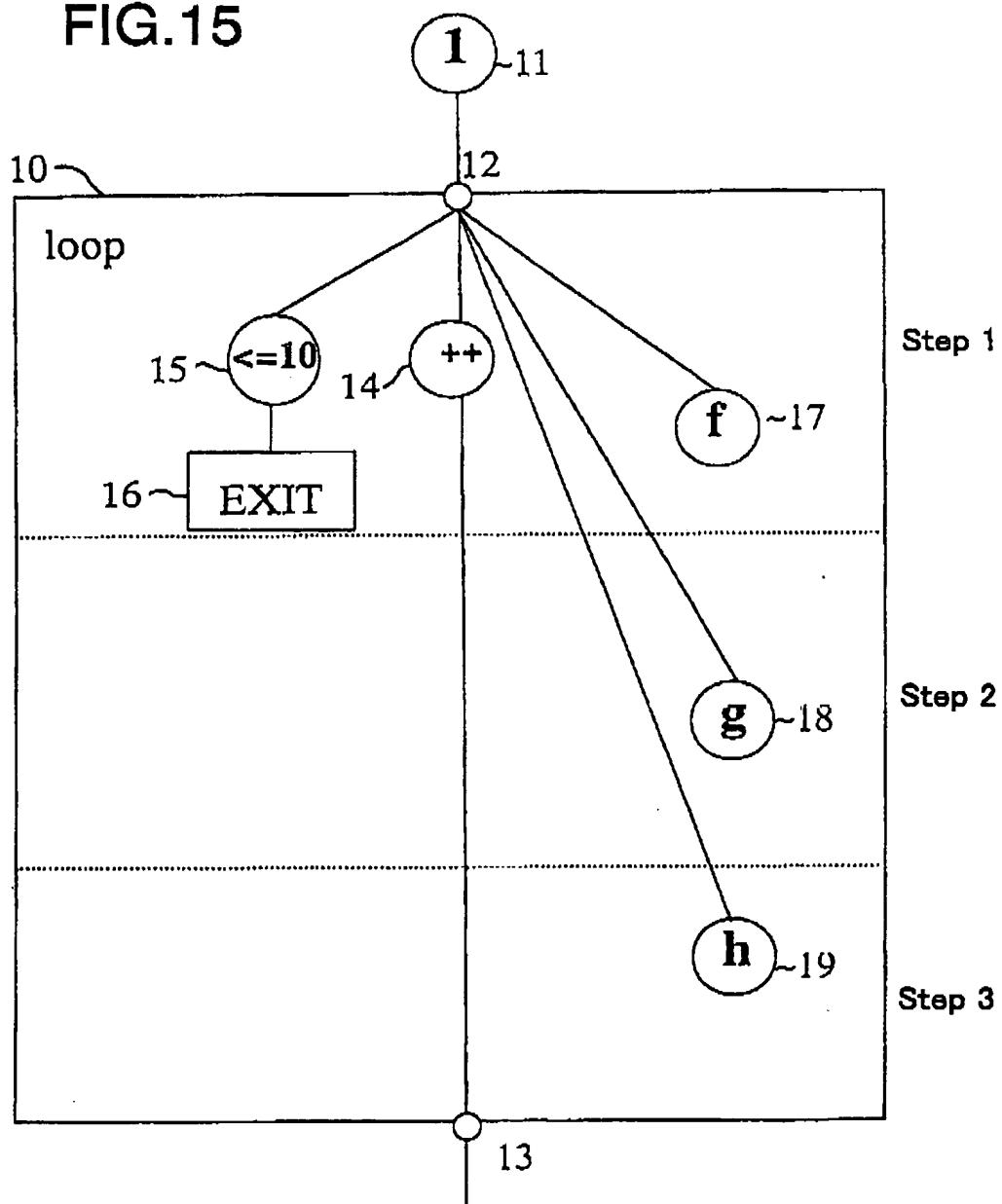


FIG.16

Cycle 1	f(1)		
Cycle 2	g(1)	f(2)	
Cycle 3	h(1)	g(2)	f(3)
Cycle 4	h(2)	g(3)	f(4)
Cycle 9	h(7)	g(8)	f(9)
Cycle 10	h(8)	g(9)	f(10)
Cycle 11	h(9)	g(10)	
Cycle 12		h(10)	

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FIG.17

